

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 08/29/00  
Date Received: 08/24/00  
Project: Metro K.C. Grab, PO# M82841  
Date Extracted: 08/28/00  
Date Analyzed: 08/28/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M82841 008115-01	1.4	0.98	1.5	0.11
Method Blank	<0.05	<0.05	<0.05	<0.05

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 08/29/00

Date Received: 08/24/00

Project: Metro K.C. Grab, PO# M82841

### QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 008116-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.63	0.68	8	0-20
Copper	mg/L (ppm)	0.46	0.45	2	0-20
Nickel	mg/L (ppm)	0.61	0.70	14	0-20
Zinc	mg/L (ppm)	0.09	0.09	0	0-20

Laboratory Code: 008116-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.63	91	93	80-120	2
Copper	mg/L (ppm)	5	0.46	98	99	80-120	1
Nickel	mg/L (ppm)	10	0.61	86	93	80-120	8
Zinc	mg/L (ppm)	5	0.09	86	96	80-120	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	94	95	80-120	1
Copper	mg/L (ppm)	5	104	104	80-120	0
Nickel	mg/L (ppm)	10	94	95	80-120	1
Zinc	mg/L (ppm)	5	93	92	80-120	1

**FRIEDMAN & BRUYA, INC.**  
3012 16th Avenue West  
Seattle, WA 98119-2029  
(206) 285-8282

**Send Report To:**

Company ALASKAN COPPER WORKS

Contact General H. Thompson

Address 628 Hammond ST

City, State, Zip Seattle WA

Phone # 206-382-8379

FAX # 226-382-4309

Date 8-24-00

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

metro K.C. Grab

m 8284/

~~SAMPLERS~~ (signature)

### PROJECT LOCATION

*Paul S. Jones*

3200 6th Ave S,

REMARKS

### SAMPLE DISPOSAL INFORMATION

ASAP Please Case <sup>with</sup> ~~the~~ vent.

☐ Dispose after 30 days  
☒ Return Samples  
☐ Call for Instructions

[illegible]

**SIGNATURE**

PRINT NAME

COMPANY

Date \_\_\_\_\_

Time

Relinquished by:

ERNEST A. Thompson

ACW

8/24/00

1:00

Received by:

Kate Traffon

FBI

8.24.50

13.00

Relinquished by:

Received by:



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
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FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

August 29, 2000

**DUPLICATE COPY**

**INVOICE #00ACU0829-2**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro K.C. Grab, PO# M82841 - Results of testing requested by  
Gerald A. Thompson for material submitted on August 24, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc  
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due .....

\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
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3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
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e-mail: fbi@isomedia.com

August 29, 2000

Gerald A. Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

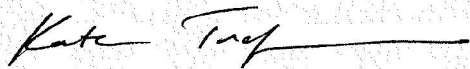
Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 24, 2000 from your Metro K.C. Grab, PO# M82841 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton  
Project Manager

Enclosures  
ACU0829R.DOC